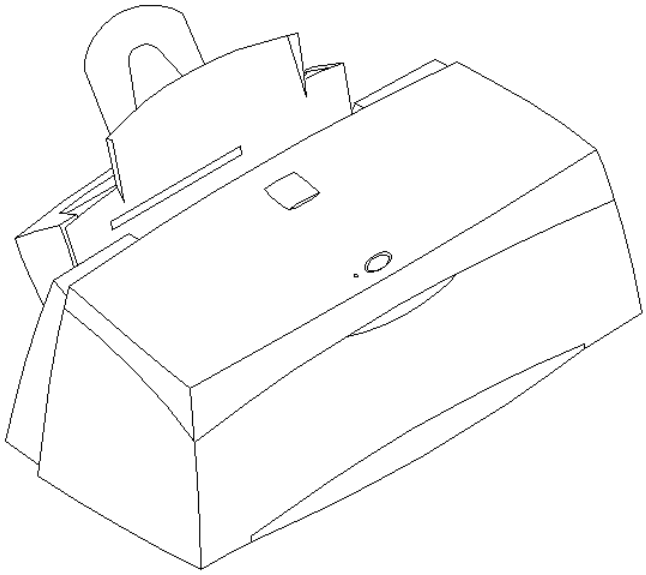
Xerox

DocuPrint C8/C6
Service Manual



701P30140
July, 1999

XEROX

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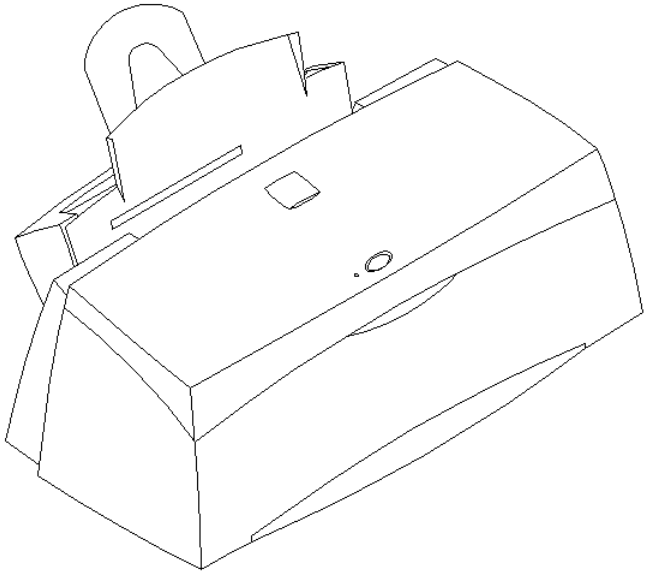

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This Service Manual contains information that applies to the DocuPrint C8/C6 Inkjet Printer.

NOTICE

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Warning

This equipment complies with the requirements in Part 15 of FCC rules for a class A computing device. Operation of the equipment in a residential area may cause unacceptable interference to radio and TV reception, requiring the operator to take whatever steps are necessary to correct the interference.

Electrostatic Discharge

This caution indicates that there are components which are sensitive to damage caused by electrostatic discharge

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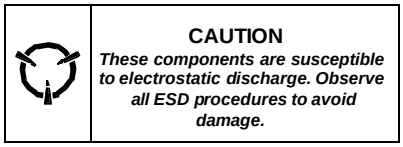

CAUTION

These components are susceptible to electrostatic discharge. Observe all ESD procedures to avoid damage.

Shock Hazard

This symbol indicates the presence of potentially hazardous voltages

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INTRODUCTION

The DocuPrint C8/C6 Service Manual is the primary document used for repairing and maintaining the C8/C6 Inkjet Printer.

This manual contains Service Call Procedures, Diagnostic Procedures, General Information, Repair Analysis Procedures, Image Quality Analysis Procedures, Wiring Data and Parts Lists that will enable the Service Representative to repair C8/C6 failures.

ABBREVIATIONS

EOF	End of Forms
ESD	Electrostatic Discharge
FRU	Field Replaceable Unit
LED	Light-Emitting Diode
POST	Power-On Self Test
RAM	Random Access Memory
ROM	Read Only Memory
SIMM	Single In-line Memory Module
V ac	Volts alternating current
V dc	Volts direct current

Organization

This manual is divided into seven sections. The title and description of each section of the manual is as follows:

Section 1 - SERVICE CALL PROCEDURES

This section is used to identify a suspected problem. It contains Call Flow, Initial Actions, Corrective Actions, and Final Actions. This part of the service manual should always be used to start the service call.

Section 2 - TROUBLESHOOTING

This section contains the procedures necessary to repair failures in the printer. This section also contains the procedures necessary to troubleshoot image quality problems.

Section 3 - IMAGE QUALITY RAPs

This section contains Image Quality RAPs for the DocuPrint C8/C6 printer.

Section 4 - REPAIR PROCEDURES

This section contains the instructions for removal, replacement, and adjustment of the spared parts.

Section 5 - PARTS LISTS

This section contains illustrations of disassembled subsystems and a listing of the spared parts.

Part names are listed in this section of the manual even if the part itself is not spared. All the parts that are spared will have the part number listed. Parts that are not spared will not have a number listed.

Section 6 - GENERAL PROCEDURES

This section contains diagnostic routines, features/options availability, printer setup procedures, and a listing of tools, supplies, and accessories.

Section 7 - WIRING DATA

This section contains illustrations of the plug/jack locations and the routing of power and signal cables.

Revision Control Chart

Product	Manual Title	Part Number
DocuPrint C8/C6	DocuPrint C8/C6 Service Manual	701P30140

Page	Date	Page	Date	Page	Date	Page	Date

Section 1

Service Call Procedures

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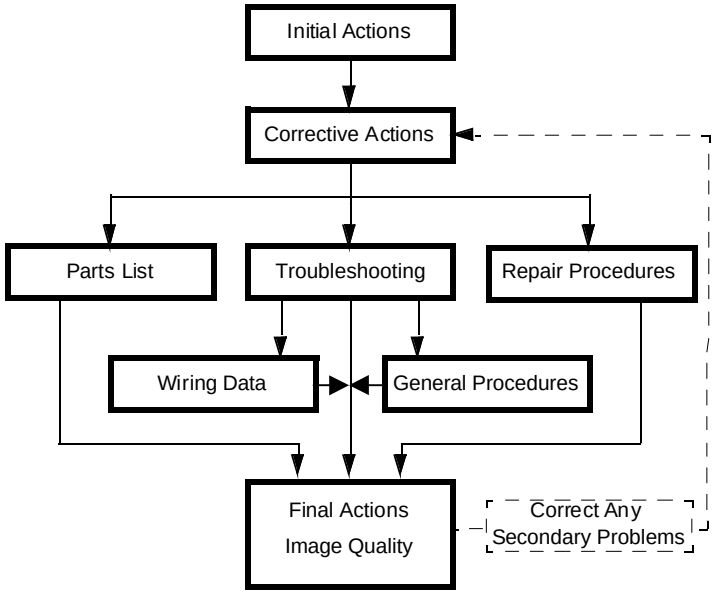
1.1 Call Flow Diagram

The basic troubleshooting steps are outlined in the Call Flow Diagram. All service calls begin with Initial Actions and end with Final Actions.



Printer Maintenance

Introduction

When the printer is being serviced, the following maintenance procedure should be performed.

Procedure

Clean the following parts every time the printer is serviced:

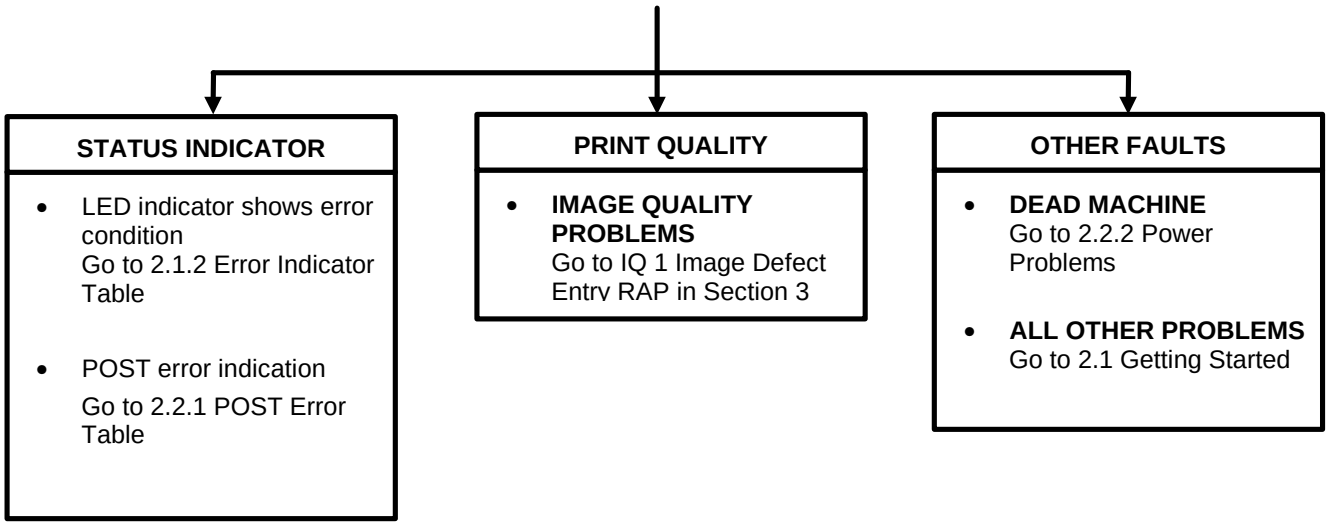
Description	Procedure
Cover	Clean using a Lint Free Tissue 35P2163 (USCO/ACO) or 600S4372 (XE) and water.
Paper Feed roller	Clean using a Lint Free Tissue 35P2163 (USCO/ACO) or 600S4372 (XE) and water.
Paper Feed Pinch rollers and Paper Feed Guide	Clean using a Lint Free Tissue 35P2163 (USCO/ACO) or 600S4372 (XE) and water.
Maintenance Station	Clean using a Lint Free Tissue 35P2163 (USCO/ACO) or 600S4372 (XE) and water.

1.2 Initial Actions

1. Verify the problem.
2. Check that the printer paper path is clear of foreign matter such as staples, paper clips, and paper scraps.
3. After you have identified the problem symptom, check the following items:
   - The printer is connected to a wall power outlet, and the outlet is supplying the correct voltage.
   - The printer power cord is not frayed or broken.
   - The printer is correctly grounded.
   - The printer is in an appropriate operating environment, with no extremes of heat or humidity.
   - The printer is on a level and stable surface.

Initial Actions

1. VERIFY AND CLASSIFY THE PROBLEM.
2. REPAIR THE PROBLEM.


STATUS INDICATOR
• LED indicator shows error condition
Go to 2.1.2 Error Indicator Table
• POST error indication
Go to 2.2.1 POST Error Table
PRINT QUALITY
• IMAGE QUALITY PROBLEMS
Go to IQ 1 Image Defect Entry RAP in Section 3
OTHER FAULTS
• DEAD MACHINE
Go to 2.2.2 Power Problems
• ALL OTHER PROBLEMS
Go to 2.1 Getting Started

1.3 Corrective Actions

1. If the printer has an obvious failure or fault, you can go directly to the appropriate ”Repair Procedures” in section 4 or ”Troubleshooting” in section 7 and begin corrective action.
2. If the fault is related to Image Quality, go directly to section 3 to correct the problem.
3. After all corrective actions have been made, perform Final Actions.

1.4 Final Actions

1. Run Test Prints to evaluate print quality.
2. Refer to Print Quality Service Check. Correct any print quality defects.
3. Correct any secondary problems (return to Corrective Actions, if necessary).
4. Reinstall the machine covers.
5. Clean the machine.
6. Verify printer operation with the printer connected to a host computer.

1.5 Maintenance Approach

The diagnostic information in this manual leads you to the correct replaceable unit or part. Use the error indicator charts, symptom index, service checks, and diagnostic aids to determine the symptom and repair the failure.

The user is directed, in the Printer Control program, to perform the head to head and bidirectional alignment adjustments after replacing a print cartridge.

After you complete the repair, perform tests as needed to verify the repair.

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SECTION 2

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2.1 Getting Started

To check the basic printer functions, a print test can be run. Observe printer behavior during the tests to enable fault isolation.

2.1.1 Control Panel LED Indications

Error indications are displayed by the LED indicator on the control panel. If your printer displays an error indication during operation, refer to 2.12 Error Indicator Table and take the necessary action.

2.1.2 Error Indicator Table

Observing the LED indicator will provide a visual indication of the printer status. Refer to the Error Indicator table below to determine the printer status as indicated by the LED operation.

LED Status	Symptom	Action
Off	Printer idle.	Refer to 2.3.2 Power Problems.
Flashing Slowly	Printer error condition - low ink.	Replace Printhead Cartridge (refer to section 4).
On	One of following errors:	
	a. Out of paper b. Paper jam c. Out of ink or wrong printhead cartridge. d. Wrong cartridge. e. Scan error (visual movement of carriage during print. f. System error.	a. Add paper. b. Refer to 2.3.4 Paper Feed Service Check. c. Install new printhead cartridge. d. Install proper cartridge. e. Refer to 2.3.3 Carriage Service Check. f. Refer to 2.1.3 Power On Self Test.

2.1.3 Power On Self Test

The printer performs a software-controlled Power On Self Test (POST) when power is initially applied. Unplug and then reconnect the power cord. This will initiate the POST routine. If the printer resets and is operational, the problem was one that was temporary. If the problem still exists, the LED indicator flashes one or more times to indicate that a problem exists. The number of flashes indicates the nature of the failure. Refer to 2.2.1 POST Symptoms and take the necessary action.

2.1.4 Printer Tests

The POST test cannot determine problems that may be encountered during printing or situations where ink cartridge maintenance is required. To check these functions, the printer should be tested by running an internal and external print test.

a. Internal Print Test. Running a Print Test will demonstrate the operational status of the printer. Run a print test (refer to **Printhead Test in section 6**) to verify printer operation, print cartridge alignment and printer setup information.

b. External File Print. To verify that the printer can print from an external source, a file should be sent from a host computer. This will check that the parallel interface and associated cabling is functioning properly as well as ensuring that the handshaking between the printer and the host computer is correct. To do this, connect the computer to a host computer with the appropriate printer drivers installed. Then send a print job from the host computer to the printer.

2.1.5 Printer Operation and Evaluation

Evaluate the results of these tests to determine whether the printer is operating properly and, if not, which printer functions are not operating correctly. Refer to **2.2 Symptom Tables** based on the observed problems.

2.2 Symptom Tables

The symptom tables provide guidance in troubleshooting the printer, based on the results of running a print test or on overall visual operating performance of the printer during a file print from an external computer.

2.2.1 POST Symptoms

If the POST test fails, the LED indicator flashes one or more times to indicate the nature of the failure. The POST symptom table provides a list of the possible errors and their meaning.

LED Flashes	Error	Action
1	Flash ROM checksum error.	Press and hold the Control button to reinitiate the POST routine. If the test runs successfully, the error was temporary. If the error remains, unplug and reconnect the power cord to run the test again. If the error condition still exists, go to replace the Main PWB (refer to section 4).
2	RAM R/W error.	
3	Flash ROM device error.	
4	Download error, checksum does not match.	
5	NVM error.	
6	Carriage error (fatal).	
7	Task manager error.	
8	Unknown interrupt occurred.	

2.2.2 Power Problems

Symptom	Action
Printer not powered up. Printer does not respond.	Go to **2.3.1 Power Service Check**.

2.2.3 Control Panel Problems

Symptom	Action
Printer LED does not: Flash Turn OFF Button inoperative. Both button and LED indicator inoperative.	Go to **2.3.2 Control Panel Service Check**.

2.2.4 Carriage Problems

Symptom	Action
No carriage movement.	For all symptoms listed, go to **2.3.3 Carriage Service Check**.
Slow carriage movement.	
Carriage stops.	
Carriage strikes the side of machine and motor continues to run.	Go to **2.3.4 Encoder Service Check** (C8 only).

2.2.5 Paper Feed Problems

Symptom	Action
Paper fails to stop at first print line. Fails to pick up the paper Picks up more than one sheet Picks up paper, but fails to feed Paper jams Paper fails to exit Noisy paper feed Paper skews	Go to **2.3.5 Paper Feed Service Check**.

2.2.6 Print Quality Problems

Symptom	Action
Printout incomplete.	For all symptoms, refer to section 3, Image Quality RAPs.
Irregular spots or unwanted lines	
Unwanted or irregular dots.	
Missing color in printout.	

2.2.7 Communications/Data Transfer Problems

Symptom	Action
Printer not communicating with host computer.	Go to **2.3.71 Communications/Data Transmission Service Check**.

2.3 Service Checks

2.3.1 Power Service Check (C8 Only)

Disconnect the power cord. Remove paper from printer prior to performing the power service check. Observe all necessary ESD precautions when removing and handling the Main PWB, power supply, or any other electronic boards or assemblies.

Item	Part	Action
1	Power Line Cord	Check the power line cord for damage. Check the continuity of the line cord and replace if necessary.
2	Power Supply	Disconnect all cables from Main PWB. Turn power on. Check for correct voltages at power supply connector J1 as follows: J1-2: +5 VDC J1-3,-4: +24 VDC If any voltage is incorrect or missing, replace the power supply. Otherwise, perform the following procedure: a. Turn power off. b. Connect two voltmeters to C3 (+) (+5 VDC) and C5 (+) (+42 VDC). c. While monitoring the two voltmeters, reconnect the main power cable J1 to the Main PWB. d. Turn power back on. If voltages are incorrect, replace the Main PWB. Otherwise, proceed to next step. e. Turn power off and reconnect one of the cables (disconnected above) to the Main PWB. f. Turn power on and observe the voltmeters. If voltages are incorrect, replace the corresponding component connected to the cable just connected or the cable itself. g. If the voltages are correct, repeat steps e and f for each of the remaining cables until all cables are reconnected. If printer still does not power up after all cables have bee reconnected, replace power supply.

2.3.2 Control Panel Service Check

Disconnect and then reconnect the power cord while observing the front LED.

Item	Part	Action
1	Button inoperative	Remove main cover and check action of button in cover. If button is okay, replace the Sensor Ink Level PWB.
2	Panel inoperative	If both the button and the LED are inoperative, replace the Sensor Ink Level PWB.

2.3.3 Carriage Service Check

Disconnect the power cord. While holding the Control button, reconnect the power cord. A test print page will start printing. Continue to hold the button until the printing starts, then release the button. Observe the printer operation.

Item	Part	Action
1	Carriage Motor	Check the motor for binds, or loose motor pulley. Disconnect the carriage motor connector J6 from the Main PWB. Check for correct resistance between pins 3-4 and 5-6 (refer to section 7) on the motor cable. If the reading is incorrect, replace the motor. Check for motor pins shorted to the motor housing. If you find a pin shorted to the housing, replace the motor. If the failure remains, replace the Main PWB.
2	Main PWB	Disconnect the carriage motor connector J6 from the Main PWB. Check for drive voltage across drive pins 3-4 and 5-6. Check for +42VDC across pins 1-2. If any voltages are incorrect, replace the Main PWB.
3	Carriage Guide Rod	Clean the carriage rod. **Note**: Lubricate (refer to section 6) the rod and the carriage rod bearing surface.
4	Carriage Timing Belt Idler Pulley Parts Carriage Frame	Check for worn, loose or broken parts. Check for obstructions blocking carriage movement.
5	Printhead Cable	Be sure all connectors are fully seated. Check the cables for damage.

2.3.4 Encoder Service Check (C8 Only)

Disconnect and then reconnect the power cord while observing the front LED.

Item	Part	Action
1	Encoder Strip	Check the encoder strip for wear, dirt and grease. Clean as necessary.
2	Encoder Sensor	Check the encoder sensor and replace printer if defective.

2.3.5 Paper Feed Service Check

Clear any paper in the printer. Disconnect the power cord. While holding the Control button, reconnect the power cord. Continue to hold the button until the test print starts printing, then release the button. A test print page prints out.

Item	Part	Action
1	Paper Feed Motor	Check the motor windings 3-4 and 5-6 for continuity. If incorrect, replace the printer.
2	Main PWB Drive	Disconnect the Paper Feed Motor connector J6 at the Main PWB. Check for +42VDC at pins 1 and 2. If voltage is correct, replace the printer.
3	Cable	Check cable continuity. If incorrect, replace printer.

2.3.6 Pump Assembly/Maintenance Station Service Check

The pump assembly operates when the paper feed motor operates to clean the ink from the ink cartridge nozzles. The maintenance station seals the ink cartridge nozzles when it is not being used to prevent the nozzles from drying

Item	Part	Action
1	Pump Assembly	The pump assembly operates any time the paper feed motor operates. Disconnect the tubing from the maintenance station. Check that the pump is creating a vacuum of 280 mm $\pm$ 50 mm. Also check that the pump is exhausting ink into the ink pad. Verify that the tubing is not clogged or pinched. Replace parts as necessary.
3	Maintenance Station	Check the maintenance station for worn or broken parts. A worn cap can cause the print cartridge nozzles to dry and clog. Check for loose or worn cap. Check priming operation as follows: 1. Weigh the print head. 2. Install print head in printer. 3. Prime the print head (refer to C8 user guide for procedure). 4. Remove the print head. 5. Weigh the print head. 6. The difference between the original weight in step 1 and the weight in step 5 must be $\geq$ 0.26 grams. If not, replace maintenance station.

2.3.7 Communications/Data Transmission Service Check

Ensure that you are using the correct an IEEE 1284-B TYPE interface cable and that it is not too long (up to 6 feet for a parallel interface cable).

Ensure that the printer and the personal computer are connected together correctly and the appropriate print drivers are installed. Send a file to be printed from the host computer.

Section 3

Image Quality

IQ1 Image Defect Entry RAP 3-2

IQ1 Image Defect Entry RAP

1. Print the Test Print:
   a. Load paper into the Paper Tray.
   b. Unplug the power cord from the rear of the printer.
   c. While pressing and holding the Control button, plug the power cord into the rear of the printer. Continue to hold the Control button until the test print starts, then release the button.
   d. The printer prints the test print shown in Figure 1. When the test print is complete, the printer initializes and returns to the Ready status.
   e. If the test print fails to print, repeat steps a through c.

2. Refer to the DEFECT Column in Table 1 that best describes the image quality problem.

3. If the problem is with external input only, refer to section 2 for troubleshooting.

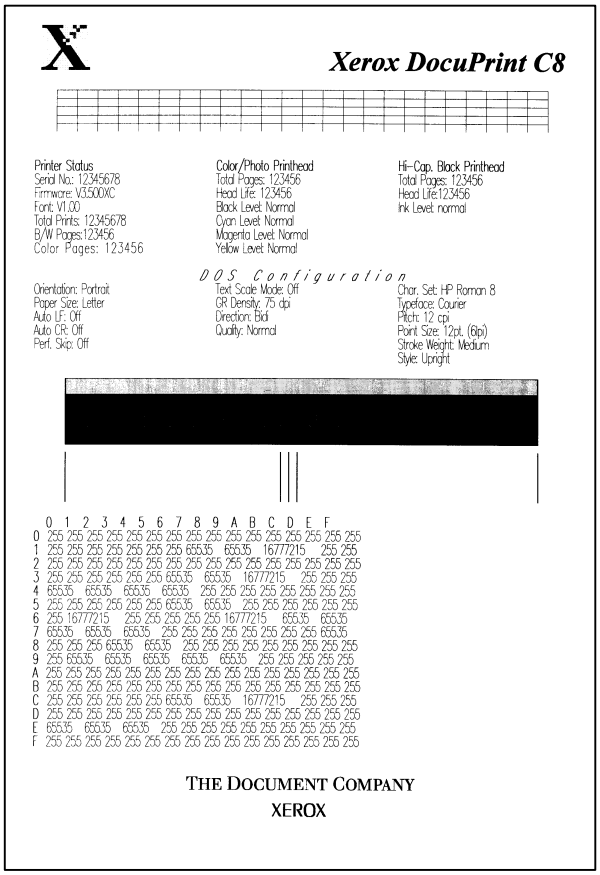

Table 1. Image Quality Defects

Defect	Cause	Solution
Blank Print	Printhead	Perform the following: 1. Remove and reinstall the Print Head. 2. Connect the printer to a host computer and perform the Printhead Clean procedure. Repeat up to 5 times as necessary. 3. If the problem still exists, refer to **2.2.6 Print Quality Problems**.
White horizontal lines and Streaks	The Printhead nozzles may be blocked.	Perform the following: 1. Connect the printer to a host computer and perform the Printhead Clean procedure. Repeat up to 5 times as necessary 2. Make another Test Print. If the print still has lines and streaks repeat the above process up to 5 times. 3. If the problem still exists, replace the Print Head.
Print is faint or missing	1. A non-recommended paper is being used or the paper is damp. 2. Defective Cartridge or the ink supply may be nearly empty. 3. The Print Head nozzles may be blocked.	1. Replace the paper with Xerox recommended paper. 2. Replace the Cartridge. 3. Perform the following: a. Connect the printer to a host computer and perform the Printhead Clean procedure. Repeat as necessary b. Run a Test Print. If the print is still faint, Repeat the process 5 more times. c. If the problem is still not corrected replace the Print Head.
Blurry or Jagged vertical lines	1. Print Head alignment 2. Paper	1. Perform ADJ 2.0 Printhead Alignment. If the problem still exists, refer to **2.2.6 Print Quality Problems**. 2. Insert different paper.
Print image is clipped or off edge of media	1. Print off edge of media 2. Document margins may exceed printer margins.	1. Ensure that the Print Driver setup has the correct selection of media size and type. 2. Adjust margins in the application as necessary.

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Section 4

Repair/Adjustments

Repairs

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Adjustments

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REP 1.0 Printhead

Parts List on PL 2.2

Removal

1. Hold the Control button for at least 2 seconds to move the Printhead to the center. Open the Top Cover (PL 1.1).

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

3. Move the green Printhead lock lever toward the front of the printer.

4. Lift and remove the Printhead. Store it in the Storage Box.

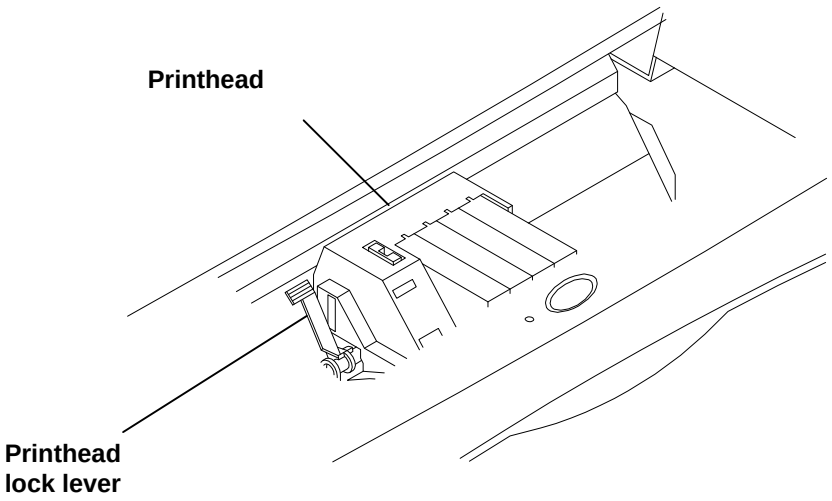

Figure 1.

Replacement

1. Replace the Printhead onto the Printhead vertical guide.
2. Move the green Printhead lock lever toward the rear of the printer.
3. Close the Top Cover.
4. Press and release the Control button to return the Printhead to the home position.

REP 1.1 Input Paper Tray

Parts List on PL 1.1

Removal

4. Remove the Paper Output Shelf (PL 1.1).

2. While grasping the Paper Tray between thumb and fingers, press the Paper Tray front surface toward the rear of the printer to release the tray (Figure 1).

4. Pull the Paper Tray up and out of the printer.

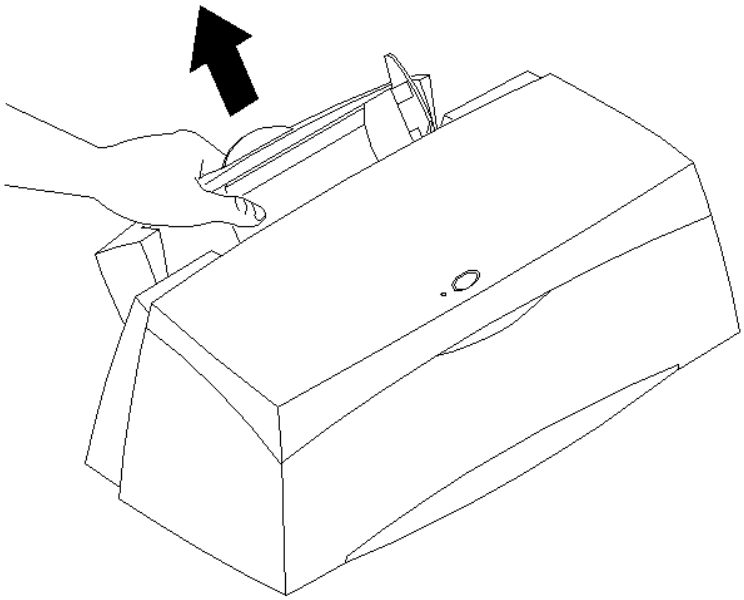

Figure 1.

Replacement

1. Rotate the Cam to the upper position.
2. While holding the Paper Tray between thumb and fingers, press the Paper Tray front surface to compress it toward the back of the Paper Tray.
3. Insert the Paper Tray into the printer ensuring the cam guide is behind the cam (Figure 2).
4. Insert the Paper Tray into the rear of the printer. Push down until seated in the printer.
5. Reinstall the Paper Output Shelf.

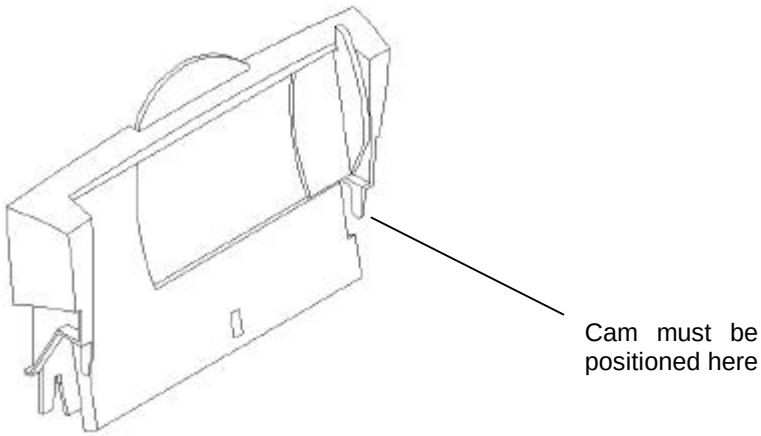

Figure 2.

REP 1.2 Top Cover

Parts List on PL 1.1

Removal

1. Open the Top Cover (PL 1.1).
2. Grasp the Top Cover at the outer edges where the pivot points attach to the Main Cover (Figure 1).
3. Simultaneously push the Top Cover away from the Main Cover until it detaches from the printer.
4. Remove the Top Cover.

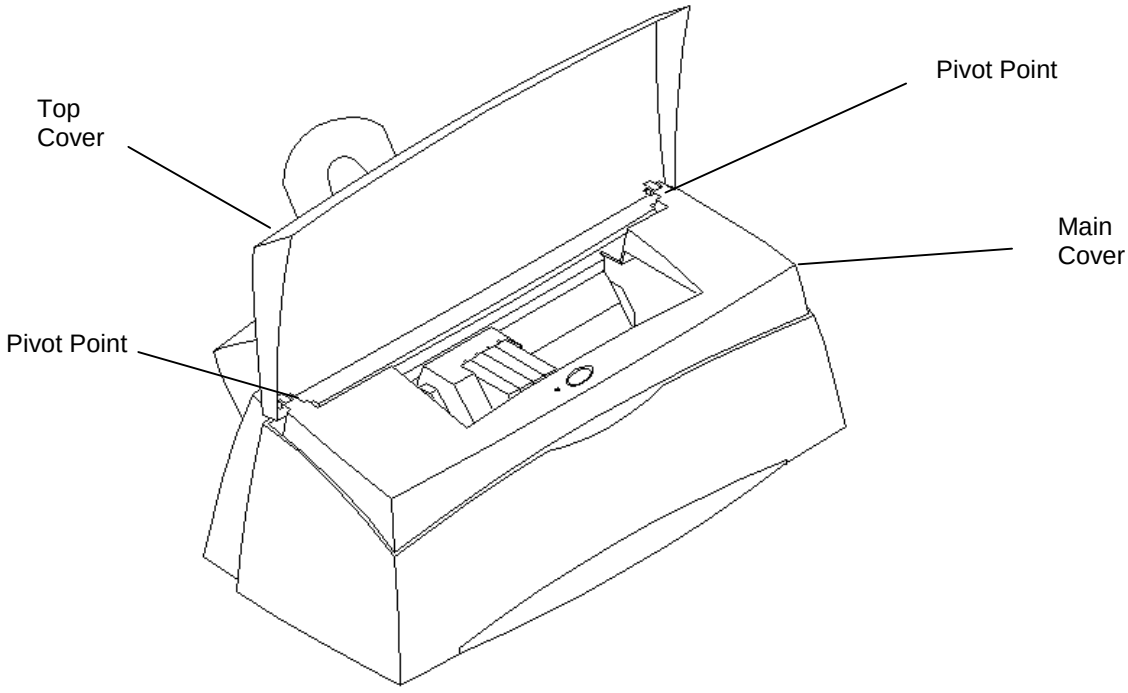

Figure 1.

Replacement

1. Position the Top Cover so that the pivots align with the corresponding pivots in the Main Cover.
2. Press behind the Top Cover to engage the pivots with the Main Cover pivots.
3. Close the Top Cover.

REP 1.3 Main Cover

Parts List on PL 1.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the cartridge removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord from the wall outlet.

2. Remove the Paper Output Shelf (PL 1.1).
3. Remove the Paper Tray (REP 1.1).
4. Remove the Top Cover (REP 1.2).
5. Remove the two screws from the rear of the Main Cover (Figure 1).

NOTE: The front of the Main Cover has two latch tabs.

6. Grasp the Main Cover on both sides at the rear and pull up until the cover releases from the base.
7. Lift the Main Cover from the printer to remove.

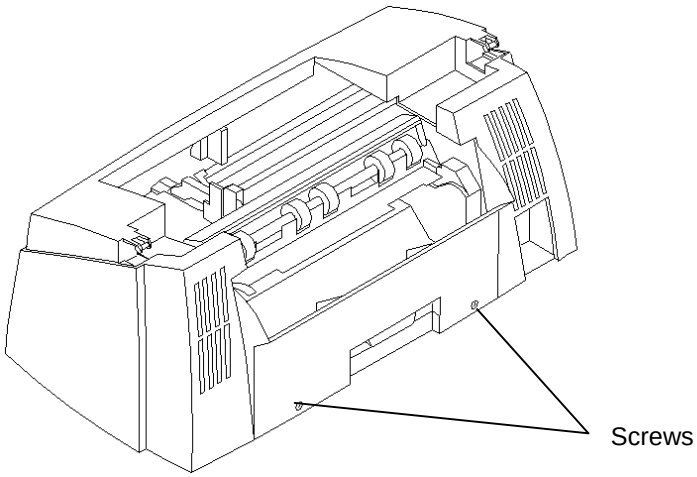

Figure 1.

Replacement

1. If previously disconnected, reconnect ribbon cable to the Main PWB.
2. Position the Main Cover on the printer until it is positioned correctly over the base.
3. Press down on the top of the Main Cover at all four corners until the cover latches into the base.
4. Reinstall the two mounting screws at the rear of the Main Cover.
5. Reinstall the following:

    a. Top Cover (REP 1.2)
    b. Paper Tray (REP 1.1)
    c. Paper Output Shelf (PL 1.1)
    d. Printhead (REP 1.0)

REP 1.4 Exit Guide

Parts List on PL 2.2

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Center the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord from the wall outlet.

2. Remove the Paper Output Shelf (PL 1.1).
3. Remove the Paper Tray (REP 1.1).
4. Remove the Top Cover (REP 1.2).
5. Remove the Main Cover (REP 1.3).
6. Position both thumbs at the lower, front corners of the Exit Guide (Figure 1). Apply modest pressure simultaneously toward the rear and up to unlatch the Exit Guide.
7. Rotate the guide approximately 90° up and toward the rear of the printer.
8. Lift the Exit Guide from the printer.

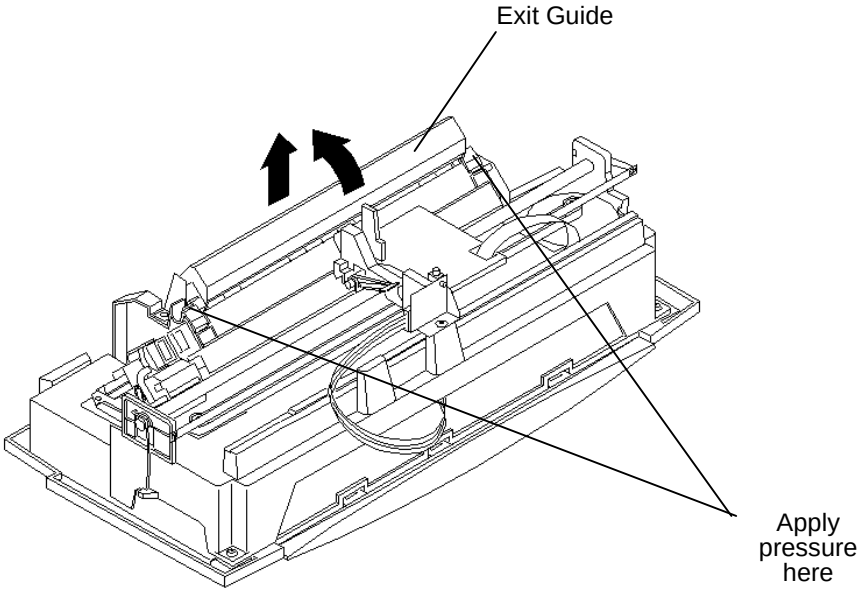

Figure 1.

Replacement

1. Hold the Exit Guide so the star wheels (10) are facing the front of the printer.
2. Lower the Exit Guide into the printer to engage the pivots with the slots in the Paper Feed / Carriage Assembly.
3. Rotate the Exit Guide completely toward the front of the printer.
4. Position both thumbs at the lower, front corners of the Exit Guide (Figure 1). Apply moderate pressure simultaneously toward the rear and down to latch the Exit Guide.
5. Reinstall the Main Cover (REP 1.3)
6. Reinstall the Top Cover (REP 1.2)
7. Reinstall the Paper Tray (REP 1.1)
8. Reinstall the Top Cover (REP 1.2).
9. Reinstall the Paper Output Shelf (PL 1.1).

REP 1.5 Paper Feed / Carriage Assembly

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

6. Remove the Paper Output Shelf (PL 1.1).
7. Remove the Paper Tray (REP 1.1).
8. Remove the Top Cover (REP 1.2).
9. Remove the Main Cover (REP 1.3).
10. Remove the Exit Guide (REP 1.4).
11. Remove the screws (2) from the two front corners of the Paper Feed / Carriage Assembly (Figure 1).
8. Lift the front of the assembly slightly, then slide the assembly toward the front of the printer until it detaches from the base.
9. Remove the assembly from the base.

CAUTION

Do not damage the ribbon cables at the front of the assembly.

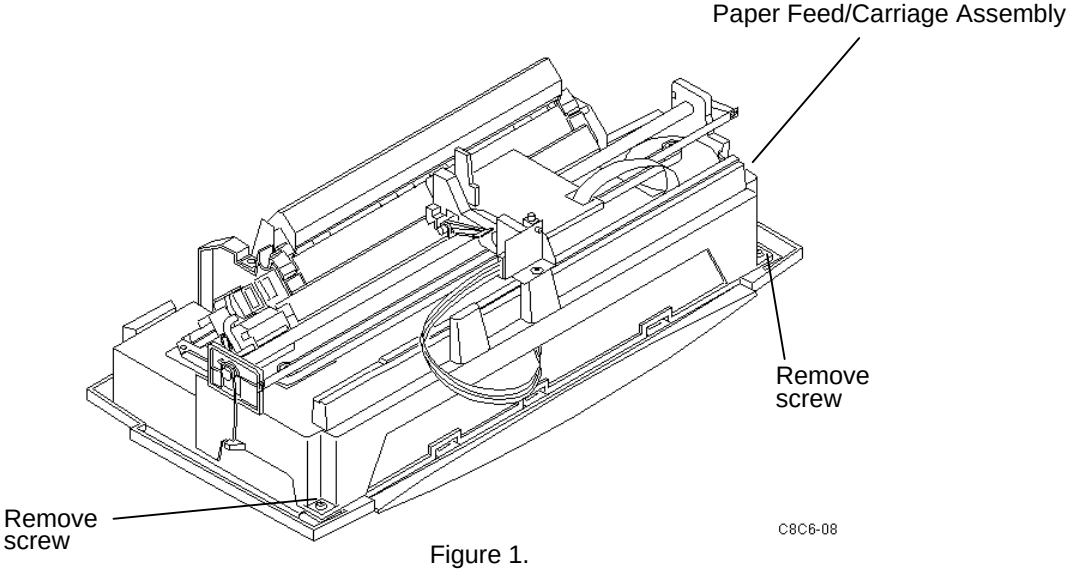

Figure 1.

Replacement

1. Place the Paper Feed / Carriage Assembly into position on the printer base. Slide the assembly rearward until it engages with the rear mounts.
2. Reinstall the two front screws
3. Reconnect the ground wire to the ground plate on the right side of the printer.
5. Reconnect the ground wire to the ground plate on the left, front corner of the printer; tighten screw.
6. Reinstall the following:
   a. Exit Guide (REP 1.4)
   b. Main Cover (REP 1.3)
   c. Top Cover (REP 1.2)
   d. Paper Tray (REP 1.1)
   e. Paper Output Shelf (PL 1.1)
   f. Printhead (REP 1.0)

REP 1.6 LVPS Assembly

Parts List on PL 1.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the Paper Output Shelf (PL 1.1).
3. Remove the Paper Tray (REP 1.1).
4. Remove the Top Cover (REP 1.2).
5. Remove the Main Cover (REP 1.3).
6. Remove the Exit guide (REP 1.4).
7. Remove the Paper Feed / Carriage Assembly (REP 1.5).
8. Lay the Paper Feed / Carriage Assembly on the front so that the bottom is facing out.
9. Disconnect *LVPS* power cord connector CN1 from the Main PWB (Figure 1).
10. Remove the two mounting screws.
11. Note the routing of the tubing behind the LVPS and remove the LVPS from the Paper Feed/Carriage Assembly.

Top View of LVPS

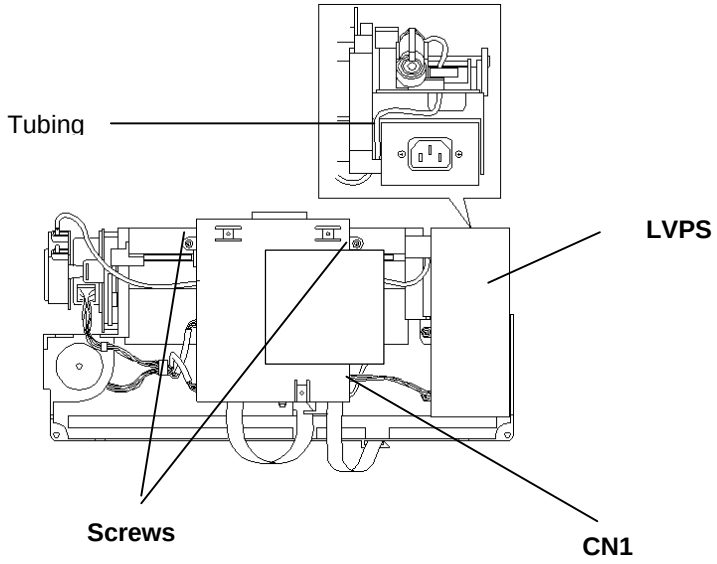

Figure 1

Replacement

CAUTION

Do not pinch the tubing or damage in any way while reinstalling the LVPS.

1. Position the LVPS into the Paper Feed/Carriage Assembly and secure with two mounting screws..
2. Reconnect the *LVPS* power cord connector CN1 to the Main PWB.
5. Replace the following:

    a. Paper Feed / Carriage Assembly (REP 1.5)
    b. Exit Guide (REP 1.4)
    c. Main Cover (REP 1.3)
    d. Top Cover (REP 1.2)
    e. Paper Tray (REP 1.1)
    f. Paper Output Shelf (PL 1.1)
    g. Printhead (REP 0.0)

REP 1.7 Main PWB

Parts List on PL 1.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Remove the Printhead (REP 1.0). Store the cartridge in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the Paper Output Shelf (PL 1.1).
3. Remove the Paper Tray (REP 1.1).
4. Remove the Top Cover (REP 1.2).
5. Remove the Main Cover (REP 1.3).
6. Remove the Exit Guise (REP 1.4).
7. Remove the Paper Feed / Carriage Assembly (REP 1.5).
8. Disconnect the LVPS connector CN1 and J8 from the Main PWB (Figure 1).
9. Remove the two mounting screws securing the Main Board mounting plate to the Paper Feed/Carriage Assembly (Figure 1).
10. Carefully move the Main PWB away from the Paper Feed/Carriage Assembly just enough to allow the cables to be disconnected.
11. Disconnect all cables connecting to the Main PWB.
12. Remove the Main PWB.

Replacement

1. Position the Main PWB close to the Paper Feed/Carriage Assembly.
2. Reinstall all connectors to the Main PWB except the LVPS connector CN1 and J8.
3. Position the Main PWB against the bottom of the Paper Feed/Carriage Assembly, making sure that the guide plate is inserted behind the plastic tab.
4. Reinstall the two mounting screws.
5. Reconnect connector CN1 and J8 to the Main PWB.
6. If previously unsecured, resecure ribbon cable and ferrite to the printer base.
7. Replace the following:
   a. Paper Feed / Carriage Assembly (REP 1.5)
   b. Exit Guide (REP 1.4)
   c. Main Cover (REP 1.3)
   d. Top Cover (REP 1.2)
   e. Paper Tray (REP 1.1)
   f. Paper Output Shelf (PL 1.1)
   g. Printhead (REP 1.0)

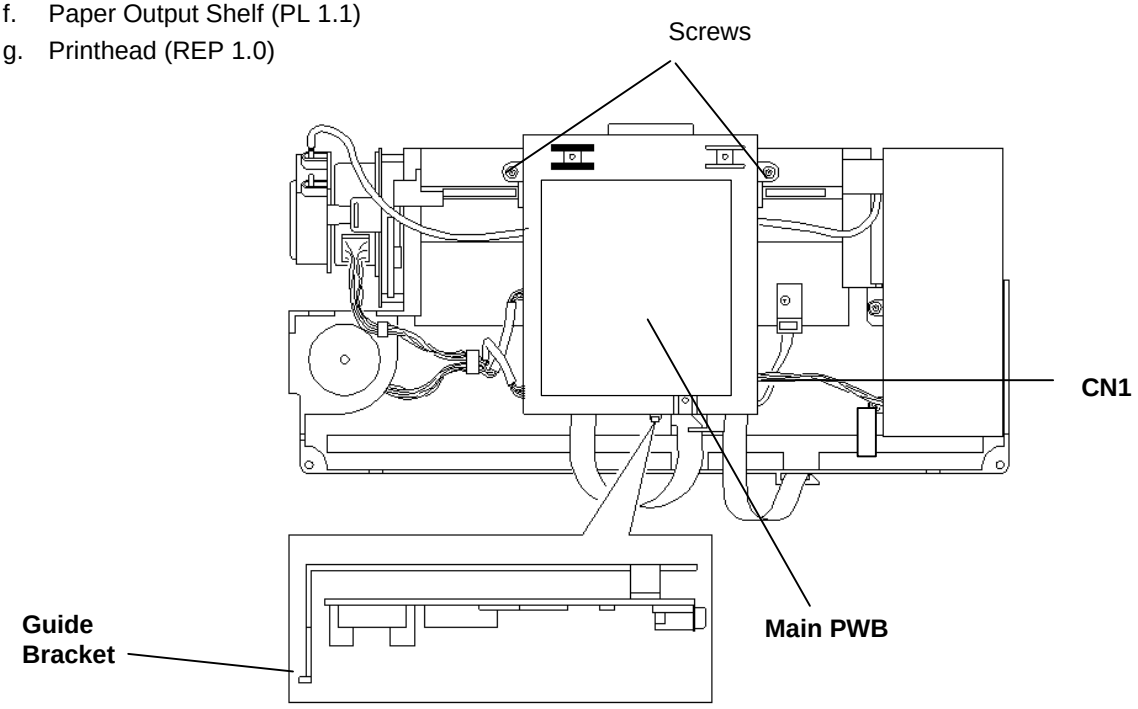

Figure 1

REP 1.8 Waste Ink Pad

Parts List on PL 1.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the following:

   a. Paper Output Shelf (PL 1.1)
   b. Paper Tray (REP 1.1)
   c. Top Cover (REP 1.2)
   d. Main Cover (REP 1.3)
   e. Paper Feed / Carriage Assembly (REP 1.5)
   f. Exit guide (REP 1.4)

3. Remove Waste Ink Pad retainer by releasing the four locking tabs with screwdriver or other similar tool (Figure. 1).

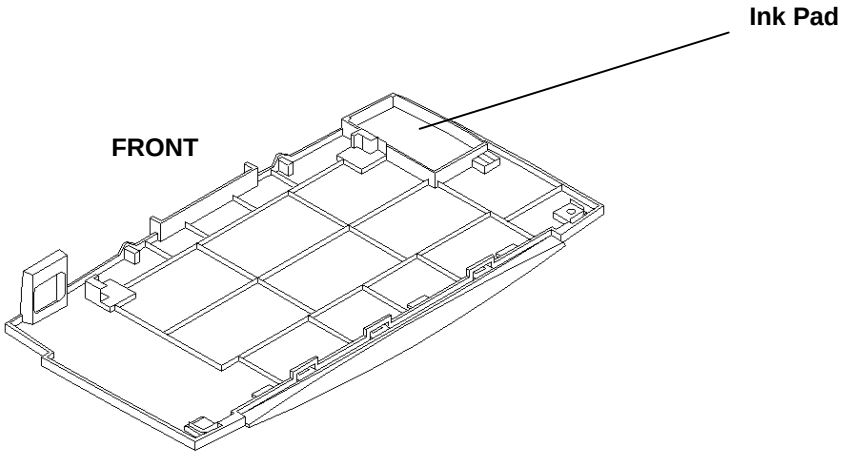

Figure 1.

Replacement

1. Ensure flange on one end of the pad retainer is toward the right side of the printer.
2. Snap the retainer into position.
3. Replace the following:

    a. Exit Guide (REP 1.4)
    b. Paper Feed / Carriage Assembly (REP 1.5)
    c. Main Cover (REP 1.3)
    d. Top Cover (REP 1.2)
    e. Paper Tray (REP 1.1)
    f. Paper Output Shelf (PL 1.1)
    g. Printhead (REP 1.0)

REP 1.9 Pump

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality defects or a blank page could result. If necessary, prime the Printhead after reinstallation .

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the following:
   a. Paper Output Shelf (PL 1.1)
   b. Paper Tray (REP 1.1)
   c. Top Cover (REP 1.2)
   d. Main Cover (REP 1.3)
   e. Exit Guide (REP 1.4)
   f. Paper Feed / Carriage Assembly (REP 1.5)
3. Remove the Pump from the Paper Feed / Carriage Assembly.
   a. Disconnect tube at inlet port of Maintenance Station (Figure 1).

   Note: Do not remove or otherwise disturb the tubing from the printer.

   b. Press tabs at top and bottom of pump that secure pump to motor. (Figure 2).
   c. Slide pump from motor shaft.

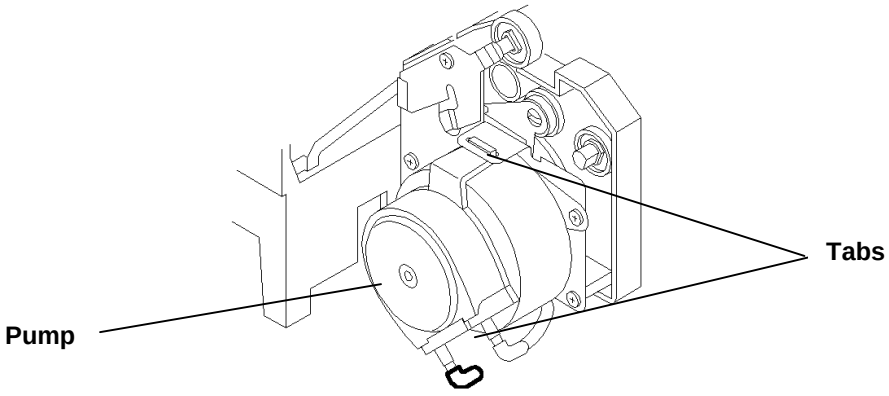

Figure 1

Replacement

1. Slide pump onto the motor shaft.
2. Reinsert the two mounting tabs into the mounting bracket.

CAUTION

Ensure the pump tubing is not kinked or otherwise restricted during reinstallation.

3. Reconnect the tube to the inlet port on the pump.
5. Reinstall the following:

   a. Paper Feed / Carriage Assembly (REP 1.5)
   b. Exit Guide (REP 1.4)
   c. Main Cover (REP 1.3)
   d. Top Cover (REP 1.2)
   e. Paper Tray (REP 1.1)
   f. Paper Output Shelf (PL 1.1)
   g. Printhead (REP 1.0)

REP 1.10 Maintenance Station

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality problems or a blank page could result. If necessary, prime the Printhead after reinstallation.

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

3. Remove the following:
   a. Paper Output Shelf (PL 1.1)
   b. Paper Tray (REP 1.1)
   c. Top Cover (REP 1.2)
   d. Main Cover (REP 1.3)
4. Disconnect the tube from the Maintenance Station.
5. Push the Printhead carriage to the extreme right side of the printer.
6. Remove the mounting screw (Figure 1).
7. Lift and hold the left side of the paper pressure baffle approximately six millimeters (mm) away from the Maintenance Station.
8. Slide the Maintenance Station toward the front of the printer to disengage the mounting tabs, then lift upward to remove Maintenance Station from the printer.

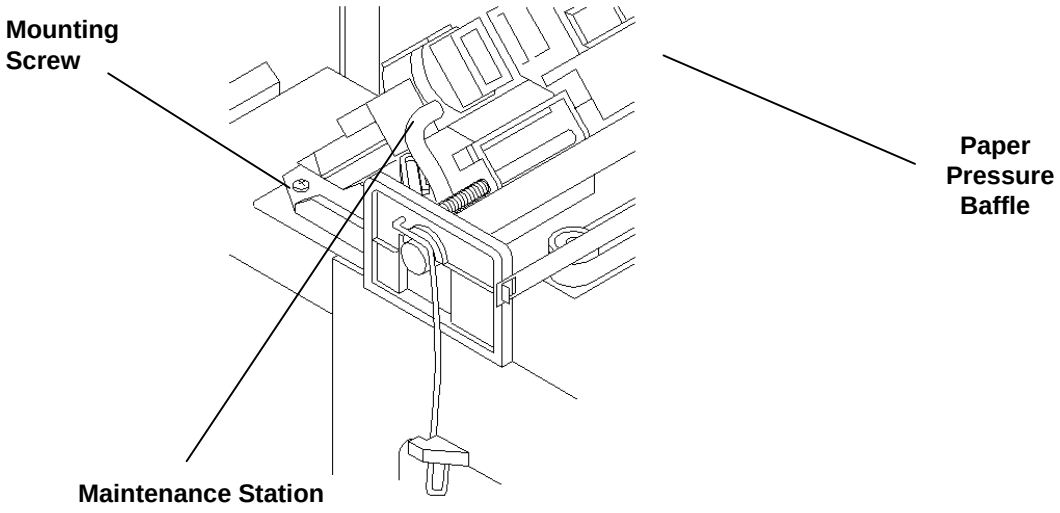

Figure 1.

Replacement

CAUTION

Ensure the Printhead carriage is positioned to the extreme right side of the printer.

1. Lift and hold the left side of the paper pressure baffle approximately six millimeters away from the Maintenance Station.
2. Lower the Maintenance Station into position to insert the mounting tabs, pressing down and toward the front of the printer.
3. Slide the Maintenance Station toward the rear of the printer to engage the mounting tabs.
4. Secure with mounting screw (machine threads).
5. Connect the tube to its mating connector on the Maintenance Station.
6. Reinstall the following:
   a. Main Cover (REP 1.3)
   b. Top Cover (REP 1.2)
   c. Paper Tray (REP 1.1)
   d. Paper Output Shelf (PL 1.1)
   e. Printhead (REP 1.0)

REP 1.11 Linear Encoder Plus Clip (C8 Only)

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality problems or a blank page could result. If necessary, prime the Printhead after reinstallation.

2. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

3. Remove the following:
   e. Paper Output Shelf (PL 1.1)
   f. Paper Tray (REP 1.1)
   g. Top Cover (REP 1.2)
   h. Main Cover (REP 1.3)
4. Move the carriage to the center of the printer by grasping the carriage belt and moving the belt (Figure 1).
5. Pull the left end of the linear encoder plus clip to the left until it detaches from the tab on the Paper Feed/Carriage Assembly. Release the encoder strip and allow it to return to the right.
6. Remove the encoder retainer clip and encoder strip from the Paper Feed/Carriage Assembly.
7. Detach the encoder strip from the encoder retainer clip.

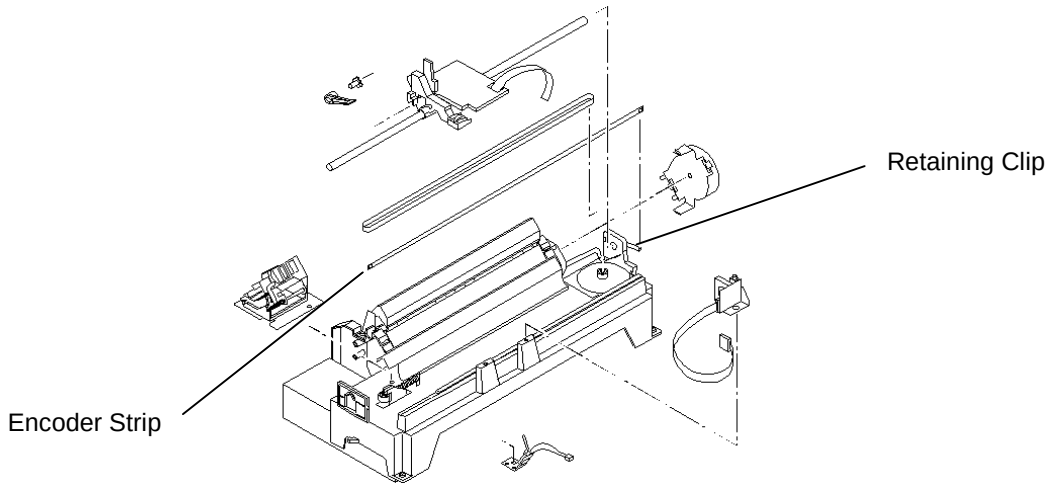

Figure 1.

Replacement

CAUTION

Ensure the Printhead carriage is positioned at the center of the printer.

1. Attach the right end of the encoder strip to the encoder clip, then slide the encoder clip to the end of the Paper Feed/Carriage Assembly.
2. Thread the encoder strip under the carriage assembly the full length of the carriage. The encoder strip must be positioned between the encoder sensor under the carriage.
3. Pull the left end of the encoder strip to the left and attach it to the tab on the Paper Feed/Carriage Assembly.
4. Ensure that the encoder strip is aligned correctly between the encoder sensor under the carriage.

REP 1.12 Paper Tray Switch (SW 1)

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality problems or a blank print could result. If necessary, prime the Printhead after reinstallation.

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the following:
   a. Paper Output Shelf (PL 1.1)
   b. Paper Tray (REP 1.1)
   c. Top Cover (REP 1.2)
   d. Main Cover (REP 1.3)
   e. Exit Guide (REP 1.4)
   f. Paper Feed / Carriage Assembly (REP 1.5)
3. Position the Paper Feed / Carriage Assembly as shown in Figure 1.
4. Disconnect J8 from the Main PWB. See Figure 1.
5. Remove mounting screw.
6. Remove Paper Tray Switch.

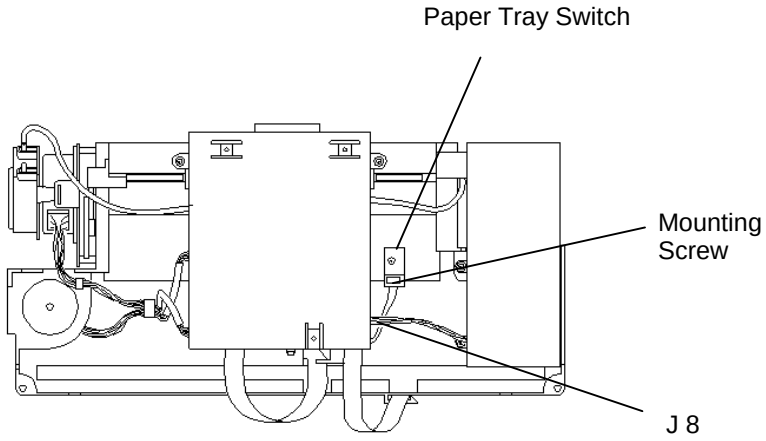

Figure 1.

Replacement

1. Position the Paper Tray Switch (SW 1) in the Paper Feed / Carriage Assembly. Reinstall the mounting screw.
2. Connect J8 to the Main PWB.
3. Reinstall the following:

    a. Paper Feed / Carriage Assembly (REP 1.5)
    b. Exit Guide (REP 1.4)
    c. Main Cover (REP 1.3)
    d. Top Cover (REP 1.2)
    e. Paper Tray (REP 1.1)
    f. Paper Output Shelf (PL 1.1)
    g. Printhead (REP 1.0)

REP 1.13 Printhead Ribbon Cable

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality problems or a blank page could result. If necessary, prime the Printhead after reinstallation.

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the following:

   a. Paper Output Shelf (PL 1.1)
   b. Paper Tray (REP 1.1)
   c. Top Cover (REP 1.2)
   d. Main Cover (REP 1.3)
   e. Paper Feed / Carriage Assembly (REP 1.5)
   f. Exit Guide (REP 1.4)

3. Remove the carriage timing belt (PL 2.1) from the carriage motor pulley (right end).
4. Remove the carriage timing belt from the idler pulley (left end).
5. Remove the retaining spring from the left end of the carriage shaft (Figure 1).
6. Push the carriage shaft to the right until the end of the shaft clears the housing.

CAUTION

Do not allow the bottom of the carriage to strike the Ink Level Sensor PWB during carriage removal. Be aware there is a ribbon cable attached to the carriage PWB. Ensure not to damage the jack or connector lock while removing carriage (Figure 2).

6. Remove the carriage from the Paper Feed / Carriage Assembly.

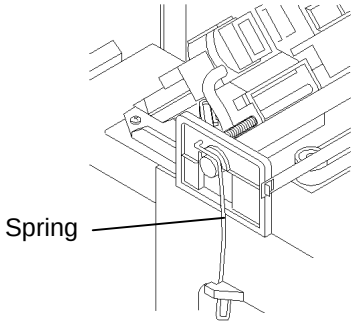

Figure 1.

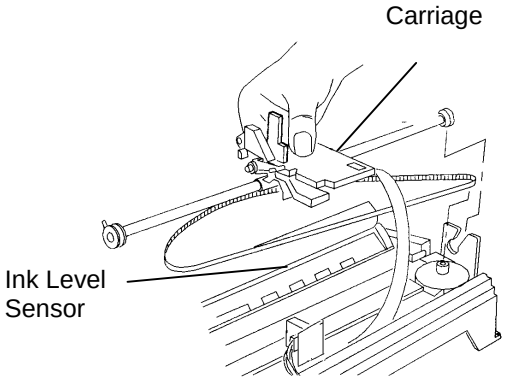

Figure 2.

Removal - continued

7. Remove the carriage shaft from carriage.
8. Position the carriage upside down (Figure 3).
9. Disconnect the ribbon cable from the carriage PWB.
10. Slide the ribbon cable from the carriage cable restraint.
11. Note the installed position of the ribbon cable on the Paper Feed / Carriage Assembly in the area shown in Figure 4c.
12. Release the cable from the two cable edge restraints.
13. Slide the cable to the left through the 45° slot; then pull the cable uPWBrd and out through the slotted opening.

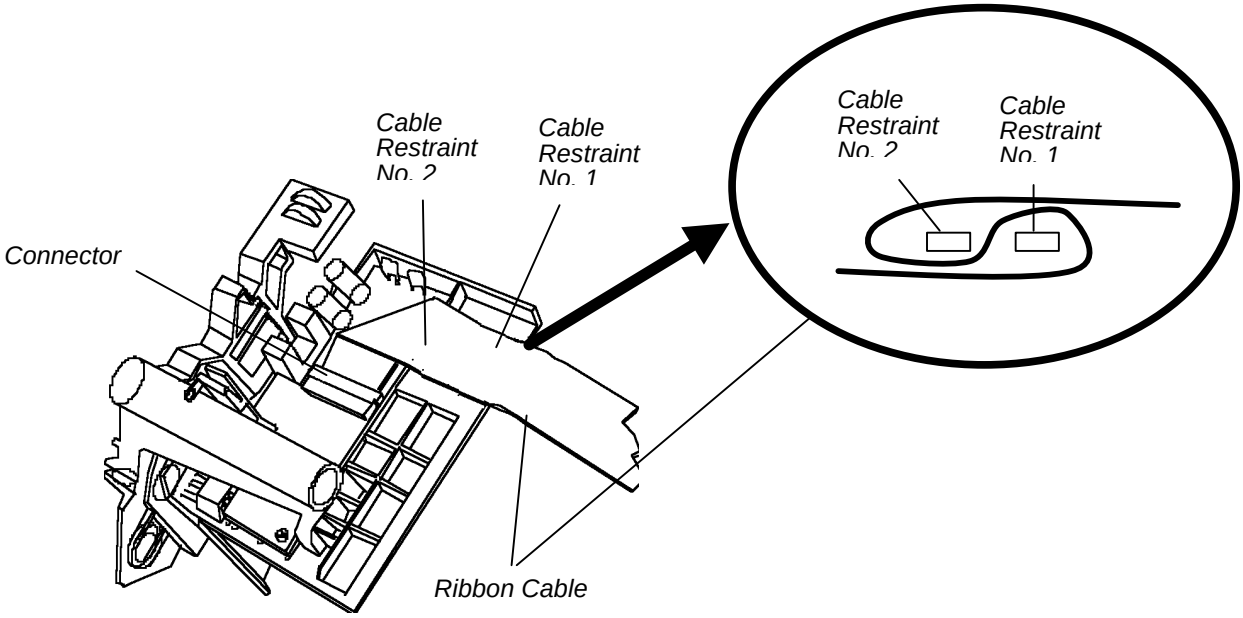

Figure 3.

Replacement

1. Insert the appropriate end of the ribbon cable through the slotted opening in the Paper Feed / Carriage Assembly approximately three inches (Figure 4a).
2. Gently maneuver the cable to the right through the 45° slot until positioned as shown in Figure 4b.
3. Pull the cable downward through the slotted opening until the 45° fold is positioned as shown in Figure 4c.
4. Lock the cable beneath the cable edge restraints. The printed side of the ribbon cable should be facing upward.
5. Insert the free end of the cable into the carriage PWB connector (Figure 3).
6. Reinstall the carriage shaft into the carriage.

CAUTION

Ensure the ribbon cable is not twisted after the carriage has been reinstalled in it's normal operating position.

Replacement - continued

7. Reinstall the following:
   h. Paper Feed / Carriage Assembly (REP 1.5)
   i. Exit Guide (REP 1.4)
   j. Main Cover (REP 1.3)
   k. Top Cover (REP 1.2)
   l. Paper Tray (REP 1.1)
   m. Paper Output Shelf (PL 1.1)

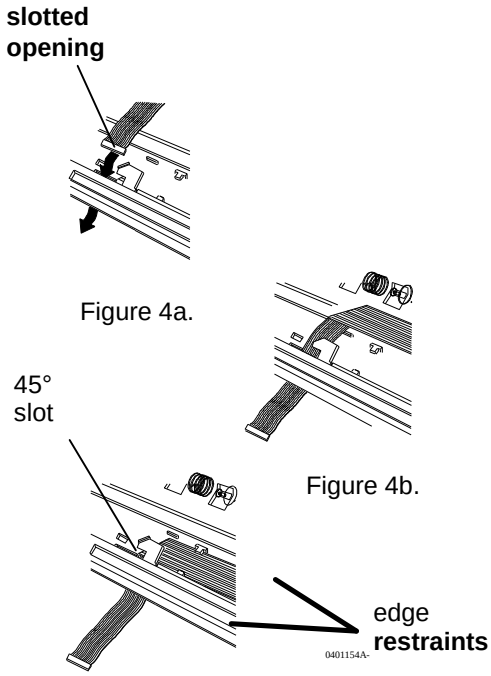

Figure 4a.

Figure 4b.

Figure 4c.

REP 1.14 Ink Level Sensor PWB

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality problems or a blank page could result. If necessary, prime the Printhead after reinstallation.

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Remove the following:

   a. Paper Output shelf (PL 1.1)
   b. Paper Tray (REP 1.1)
   c. Top Cover (REP 1.2)
   d. Main Cover (REP 1.3)

3. Disconnect the connector from the Ink Level Sensor PWB (Figure 1).
4. Remove the screw; remove the Ink Level Sensor.

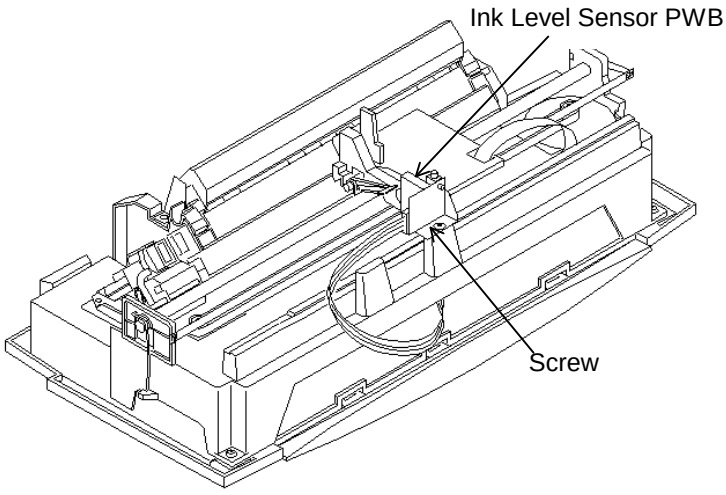

Figure 1.

Replacement

1. Insert the Ink Level Sensor into position at the front of the printer and secure with screw.
2. Connect the connector to the Ink Level Sensor PWB.
3. Replace the following:
   a. Main Cover (REP 1.3)
   b. Top Cover (REP 1.2)
   c. Paper Tray (REP 1.1)
   d. Paper Output shelf (PL 1.1)

REP 1.15 Cartridge Latch Lever

Parts List on PL 2.1

Removal

CAUTION

Store the Printhead in the Storage Box. Leaving the Printhead removed for long periods of time will cause the ink nozzles to dry out. Image quality problems or a blank page could result. If necessary, prime the Printhead after reinstallation.

1. Remove the Printhead (REP 1.0). Store the Printhead in the Storage Box.

WARNING

Disconnect the power cord at the wall outlet.

2. Squeeze the sides of the carriage together (Figure 1).

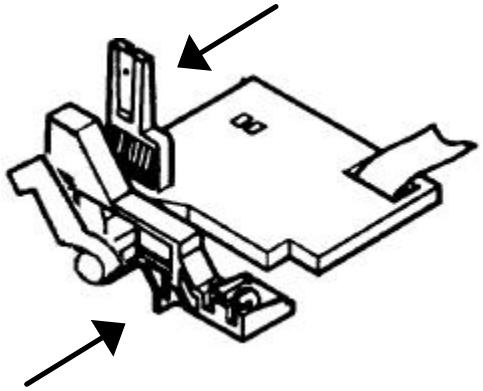

Figure 1. Squeezing the Carriage

3. While still squeezing the carriage, lift up on the latch and tilt it to the right as you move the bottom of the latch to the left (Figure 2).

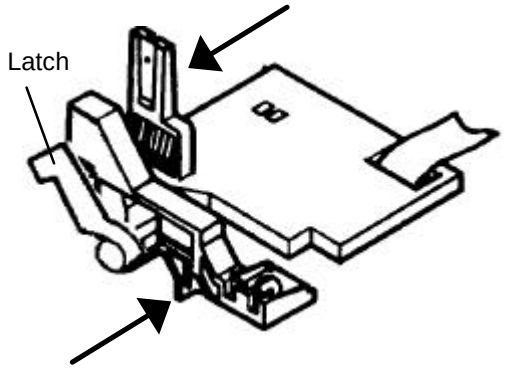

Figure 2. Removing the Lever and Pin

Replacement

1. Place the cartridge latch lever cam pin in the cartridge latch lever as shown (Figure 3).

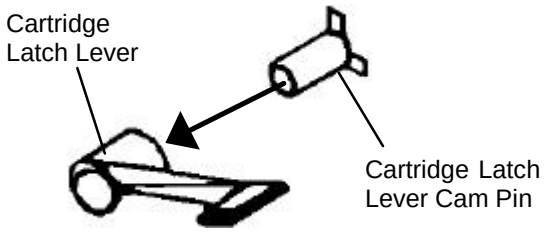

Figure 3. Assembling the Lever and Pin

2. Squeeze the carriage together and insert the lever and pin into the carriage (Figure 2).
3. Insert the latch into the carriage and snap into place.
4. Replace the Printhead (REP 1.0).

ADJ 2.0 Printhead Alignment

Purpose

The purpose is to ensure the vertical print alignment is within specification.
Note: This procedure can only be performed from the host computer with the printer connected to the computer.

Adjustment

1. Print the Bi-Directional Printing Alignment Test Pattern:
   a. Load paper into the Paper Tray.
   b. Select Align from the Maintenance Property page on the computer monitor.
   c. The printer will print the test pattern shown in Figure 1. Wait until the complete test pattern is printed.
   d. If the test pattern fails to print, repeat steps a through c.
   e. If the test patters still fails to print, refer to section 2 for troubleshooting. Otherwise, go to step 2.
2. Check for correct vertical alignment of the center grid line set (00).
   a. Observe the test pattern print out. Figure 1 shows the test pattern.
   b. Determine which of the 9 individual vertical alignment patterns has the straightest lines.
   c. Select that pattern on the dialog box in the Maintenance Property page.
   d. Select the Print the Alignment Test Pattern to print out another test pattern.
   e. If the lines not are properly aligned yet, repeat steps a through d until one set is correctly aligned with straight lines. Continue the procedure until the lines at position 0 are straight.
   f. Select Done to finish the alignment procedure.
3. Check alignment of printer.
   a. From the Maintenance Property page, select Test.
   b. The printer will print out a test page.
   c. Observe the test page for correct alignment.
   d. If the test page indicates there is still an alignment problem, refer to section 2 for troubleshooting.

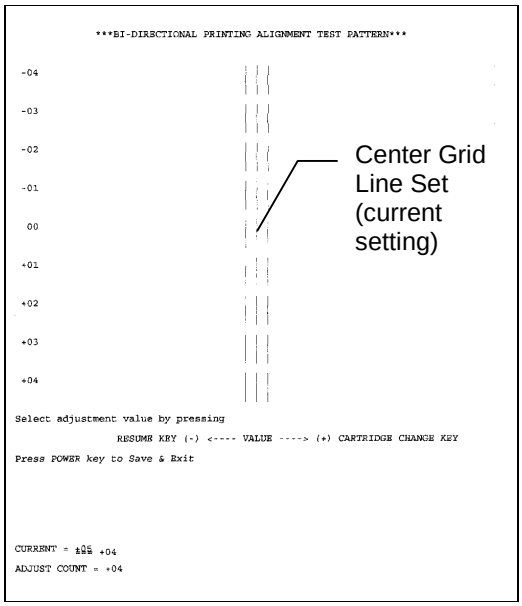

Figure 1. Printhead Grid Adjust Test Pattern

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Section 5

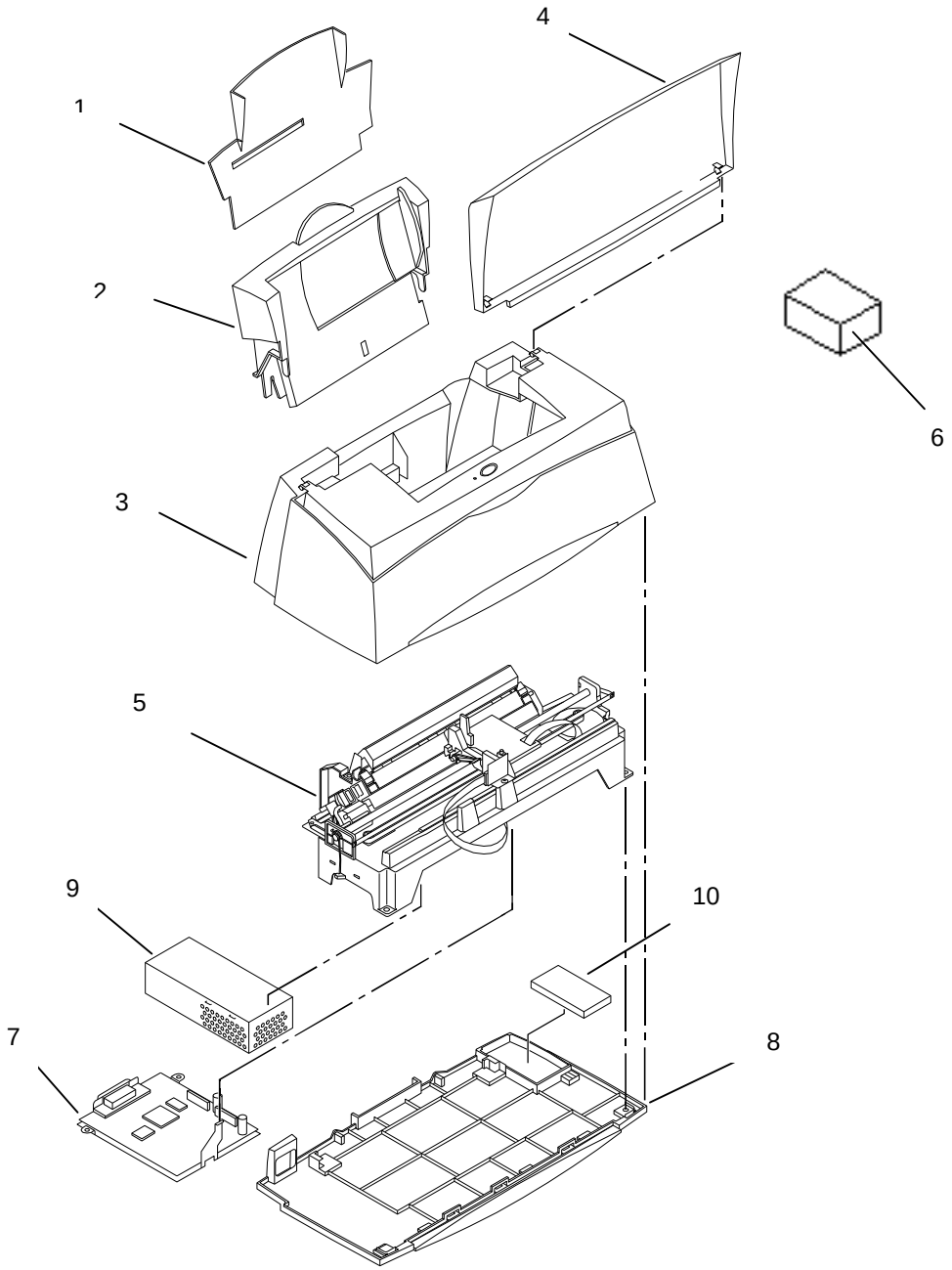
Parts Lists

PL 1.1 Printer Components 5-2

PL 2.1 Paper Feed/Carriage Assembly Components (1 of 2) 5-4

PL 2.1 Paper Feed/Carriage Assembly Components (2 of 2) 5-6

Part Number Index 5-7

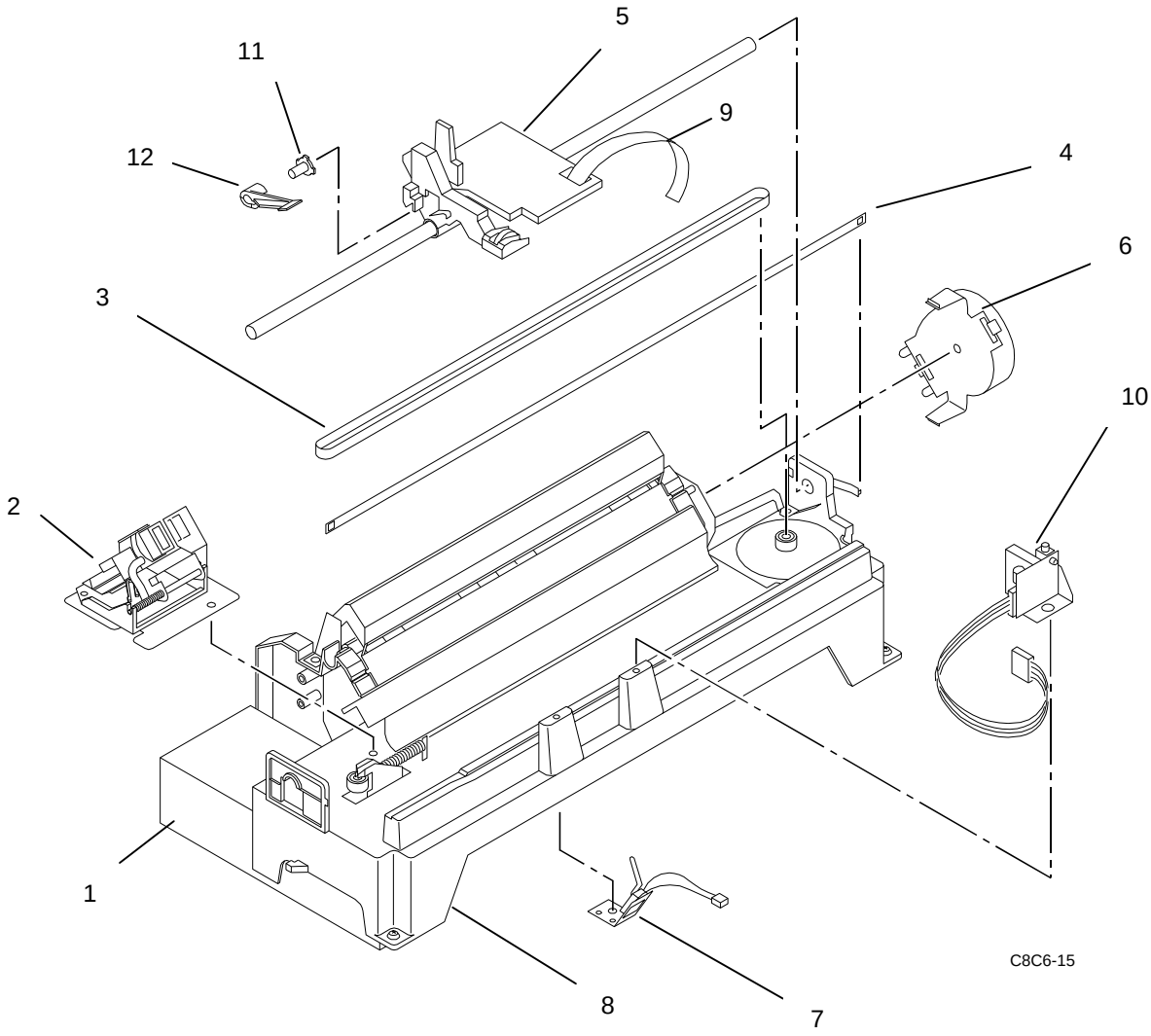


PL 1.1 PRINTER COMPONENTS

PL 1.1 PRINTER COMPONENTS

ITEM	PART #.....	DESCRIPTION
1	050E15660	... PAPER OUTPUT SHELF
2	Not Spared	... PAPER TRAY
3	Not Spared	... MAIN COVER
4	Not Spared	... TOP COVER
5	Not Spared	... PAPER FEED / CARRIAGE ASSEMBLY
6	060K01011	... STORAGE BOX (C8)
7	160K65730	... US MAIN PWB (C8)
	TBD	MAIN PWB (C6)
8	Not Spared	... PRINTER BASE
9	105K24730	... LOW VOLTAGE POWER SUPPLY (C8)
	TBD	LOW VOLTAGE POWER SUPPLY (C6)
10	019E44460	... WASTE INK PAD

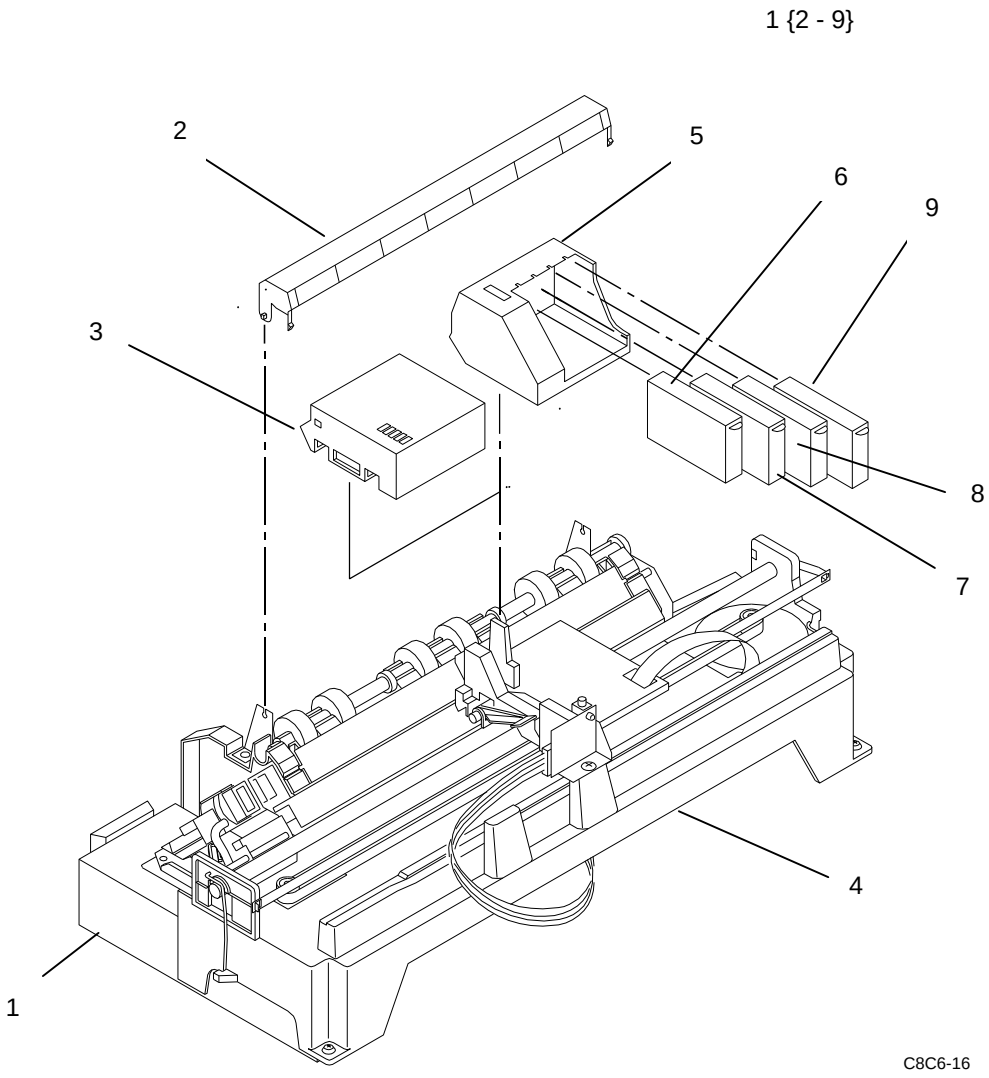
PL 2.1 PAPER FEED / CARRIAGE ASSEMBLY COMPONENTS (PART 1 OF 2)



PL 2.1 PAPER FEED / CARRIAGE ASSEMBLY COMPONENTS (PART 1 OF 2)

ITEM	PART #	DESCRIPTION
1	--	PART OF PAPER FEED / CARRIAGE ASSEMBLY (REF: PL1.1 ITEM 6)
2	094K04260	MAINTENANCE STATION
3	--	BELT (P/O ITEM 1)
4	146K00770	LINEAR ENCODER PLUS CLIP (C8 Only)
5	--	CARRIAGE (P/O ITEM 1)
6	094E02410	PUMP
7	130K65310	PAPER FEED SWITCH (SW1)
8	Not Spared	PAPER FEED / CARRIAGE HOUSING (P/O ITEM 1)
9	012E12370	RIBBON CABLE PRINTHEAD
10	130K65320	SENSOR INK LEVEL
11	029E29490	CARTRIDGE LATCH LEVER CAM PIN
12	011E09080	CARTRIDGE LATCH LEVER

PL 2.1 PAPER FEED / CARRIAGE ASSEMBLY (PART 2 OF 2)



PL 2.1 PAPER FEED / CARRIAGE ASSEMBLY (PART 2 OF 2)

ITEM	PART #	DESCRIPTION
1		PART OF PAPER FEED / CARRIAGE ASSEMBLY (REF: PL1.1 ITEM 6)
2	038K11210	EXIT GUIDE
3	008R07638	BLACK PRINTHEAD (C8 Only)
4	--	PAPER FEED / CARRIAGE HOUSING (PART OF ITEM 1)
5	008R07999	COLOR/PHOTO PRINTHEAD
6	008R07994	BLACK INK CARTRIDGE
7	008R07661	CYAN INK CARTRIDGE
8	008R07662	MAGENTA INK CARTRIDGE
9	008R07663	YELLOW INK CARTRIDGE

Part Number Index

Part Number	PL LOC.
008R07638	2.2
008R07660	2.2
008R07661	2.2
008R07662	2.2
008R07663	2.2
008R07871	2.2
011E09080	2.1
012E12370	2.1
022K69050	1.1
029E29490	2.1
038K11210	2.2
050E15660	1.1
060K01011	1.1
094E02410	2.1
094K04260	2.1
105K24730 (C8 only)	1.1
130K65310	2.1
130K65320	2.1
146K00770	2.1
160K65730 (C8 only)	1.1

Note: All part numbers are common to both C8 unless otherwise noted.

Nationalization Kits

C8 US English	650S23833
C6 US English	TBD
C8 French/Canadian	650S23834
C6 French/Canadian	TBD
C8 Spanish	650S23835
C6 Spanish	TBD
C8 Brazilian Portuguese	650S23836
C6 Brazilian Portuguese	TBD

Section 6

General Procedures

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GP 2 Printing with DOS 6-4

6..2 Product Specifications 6-5

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Electrical Requirements 6-5
Printer Capabilities 6-5
Supplemental Tools and Supplies 6-6

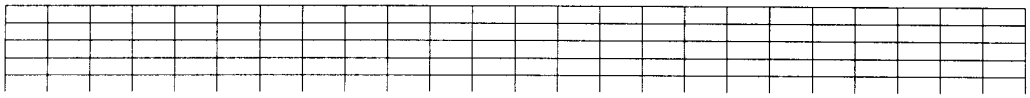
Diagnostics

GP 1 Printhead Test

Procedure

1. Print the Test Print:
   a. Load paper into the Paper Tray.
   b. Unplug the power cord.
   c. While pressing and holding the Control button, plug the power cord into the wall outlet. Continue to hold the Control button until the printer starts to print, then release the button.
   d. The printer prints the test print shown in Figure 1. When the test print is complete, the printer initializes and returns to the Ready status.
   e. If the test print fails to print, repeat steps a through c.
   f. If the test print fails again, refer to section 2 for troubleshooting.

Xerox DocuPrint C8



Printer Status
Serial No.: 12345678
Firmware: V3.500XC
Font: V1.00
Total Prints: 12345678
B/W Pages:123456
Color Pages: 123456

Color/Photo Printhead
Total Pages: 123456
Head Life: 123456
Black Level: Normal
Cyan Level: Normal
Magenta Level: Normal
Yellow Level: Normal

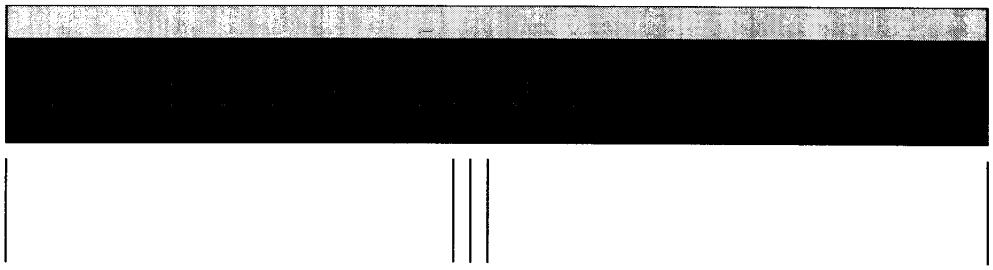
Hi-Cap. Black Printhead
Total Pages: 123456
Head Life:123456
Ink Level: normal

DOS Configuration

Orientation: Portrait
Paper Size: Letter
Auto LF: Off
Auto CR: Off
Perf. Skip: Off

Text Scale Mode: Off
GR Density: 75 dpi
Direction: Bidi
Quality: Normal

Char. Set: HP Roman 8
Typeface: Courier
Pitch: 12 cpi
Point Size: 12pt. (6lpi)
Stroke Weight: Medium
Style: Upright



	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
1	255	255	255	255	255	255	255	65535	65535	16777215	255	255				
2	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
3	255	255	255	255	255	255	65535	65535	16777215	255	255	255				
4	65535	65535	65535	65535	255	255	255	255	255	255	255	255				
5	255	255	255	255	255	255	65535	65535	255	255	255	255	255	255		
6	255	16777215	255	255	255	255	255	16777215	65535	65535						
7	65535	65535	65535	255	255	255	255	255	255	255	255	65535				
8	255	255	255	65535	65535	255	255	255	255	255	255	255	255	255		
9	255	65535	65535	65535	65535	65535	255	255	255	255	255					
A	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
B	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
C	255	255	255	255	255	255	65535	65535	16777215	255	255	255				
D	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
E	65535	65535	65535	255	255	255	255	255	255	255	255	255	255	255		
F	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255

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Figure 1.

GP 2 Printing with DOS (for C8 only)

Procedure

DOS mode operation includes a utility called the DOS Control Panel.

Note: *The following procedure is performed only if printing in DOS, not in Windows.*

Note: *Please refer to readme.txt in the DOS Panel setup for issues concerning this product.*

Your DocuPrint C8 printer comes with an additional utility that has been designed for printing form applications that do not have a printer driver or to print files directly from DOS in a window. With this utility, you can do the following:

- Review and modify the current printer settings.
- Determine printer status and any error conditions.
- Change character sets, fonts, landscape or portrait layouts and other settings.

To install the Xerox DOS Control Panel on your computer, perform the following:

1. Insert the DocuPrint C8 CD into your DC ROM drive (i.e. D drive).
2. The installer message is displayed asking you to select a language. Select the appropriate language, then select OK.
3. The installer displays a Welcome screen. Select Next.
4. The installer displays a list of software options that can be downloaded to your computer. Select DOS Panel.
5. Select Next, then select Finish.

To start the DOS Control Panel, perform the following:

1. Select Start, Programs and then Xerox DocuPrint C8 in that sequence.
2. Select DOS Control Panel to start the program.

Note: The DOS Control Panel does not run under Windows NT 4.0.

3. Perform the desired operations and follow the instructions on the screen.
4. When finished, exit the DOS Control Panel program.

Product Specifications

Physical Characteristics

WIDTH	**C8**: 17.1 Inches (43.5 cm)	**C6**: Same as C8
DEPTH	**C8**: 9.3 Inches (23 cm)	**C6**: Same as C8
HEIGHT	**C8**: 6.9 Inches (17.5 cm)	**C6**: Same as C8
WEIGHT	**C8**: 11 Pounds (5 kg)	**C6**: Same as C8

Electrical Requirements

C8: 100VAC - 240 VAC C6: Same as C8

POWER CONSUMPTION:

Standby:	**C8**: 0.1A @110VAC, 0.08A @240VAC	**C6**: Same as C8
Operating:	**C8**: 0.5A @110VAC, 0.3A @ 240VAC	**C6**: Same as C8

Printer Capabilities

Table 1. Printer capabilities

Type	Desktop Ink Jet Printer (Portable)
Print Paper Size	Auto Feed: Letter, Legal, A4, A5, B5, 8 x 10, Executive Envelopes: #10, DL Banner Feed: A4 x 5, Letter x 5
Paper Weight	Paper: 16 to 43 lb. (60 - 160 gsm)
Print Media	Plain paper, transparencies, envelopes, paper-faced labels, high resolution paper, photo glossy paper, fabric transfer sheets.
Paper Tray Capacity	100 Sheets 20lb (75 gsm)
Output Tray Capacity	50 Sheets 20lb (75 gsm)
Throughput	Black: up to 5 ppm (C8), 4 ppm (C6) (draft mode) Color: up to 2.5 ppm (C8), 1.5 ppm (C6) (draft mode)

Supplemental Tools and Supplies

Tools	USCO/ACO	XE
Cleaner	42E590	42E590
Formula A	43P48	8R90175
Lint Free Tissues	35P2163	600S4372
Film Remover	43P45	8R90176
Towel	35P3191	8R90019
Lubricant	70P27	70P27

Supplies	C8	C6
Black Ink Printhead	8R7638	N/A
Color/Photo Ink Printhead	8R7999	8R7999
Color Ink Cartridges		
Black	2-8R7994	8R7994
Cyan	8R7661	8R7661
Magenta	8R7662	8R7662
Yellow	8R7663	8R7663
Printhead Storage box	060K01011	060K01011

Print Drivers and Tour Guides

Multinational CD-ROM

Print Driver C8: 300K85250 C6: TBD

Related Information	C8	C6
User Guide (US)	701P30101	701P31015
User Guide (ACO-Spanish)	701P30104	701P31016
User Guide (ACO-Portuguese)	701P30103	701P31017
User Guide (French/Canadian)	701P30102	N/A

Section 7

Wiring Data

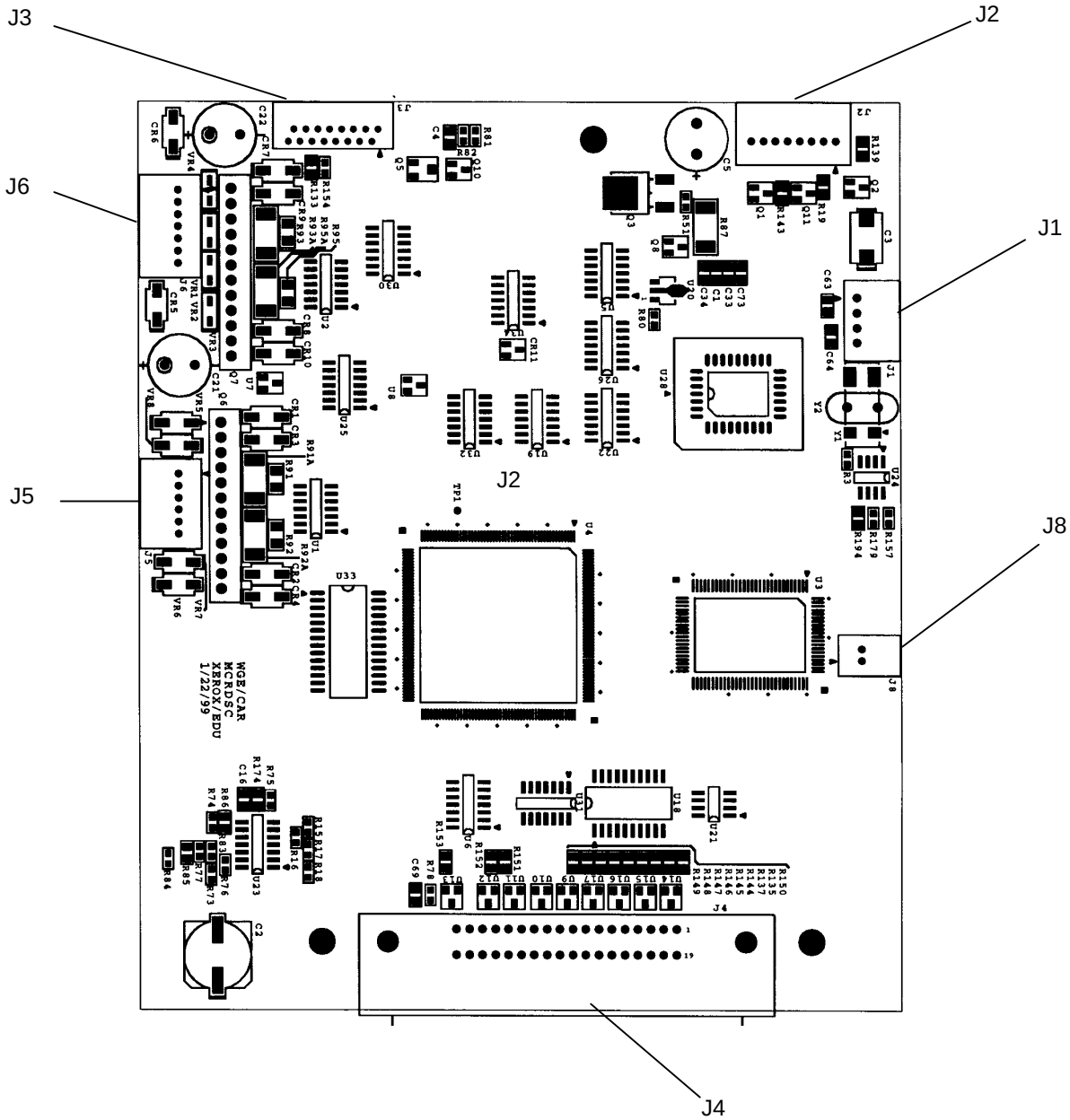
7.1 Electrical Connections.....7-2

7.2 Connector Signals.....7-4

7.1 Electrical Connections

7.2.1 C8 Main Board Connectors

J1	**Power**	**J5**	**Paper Feed Motor**
J2	**Ink Level/Control Panel**	**J6**	**Carriage Motor**
J3	**Printhead**	**J7**	
J4	**Printer Interface**	**J8**	**Paper Sensor**



7.1 Electrical Connections - continued

7.2.2 C6 Main Board Connectors

J1	**TBD**	**J5**	**TBD**
J2	**TBD**	**J6**	**TBD**
J3	**TBD**	**J7**	**TBD**
J4	**TBD**	**J8**	**TBD**

7.2 Connector Signals

7.2.1 C8 Signals

J1 - Power

1	+5 VDC
2	GND
3	+42 VDC
4	GND

J2 - Ink level/Control Panel

1	SLED6
2	OLED2
3	GND
4	INKLEVEL
5	+5 VDC
6	OLED2
7	SLED7
8	SW1

J3 - Printhead

1	HHV
2	HV
3	GND
4	GND
5	ENCA
6	BTSFT
7	GND
8	DIRDT
9	ENCB
10	HP5V
11	HHV
12	RT
13	GND
14	ENBC
15	GND
16	FCLR

J4 - Printer Interface

1 - 10	CENTRO1 - CENTRO14
15	-------
16	GND
17	GND
18	+5 VDC
19 - 30	GND
31	CENTRO32
32	-------
33	-------
34	-------
35	-------
36	CENTRO36

J5 - Paper Feed Motor

1	PMV
2	PMV
3	PMOTORA
4	PMOTORB
5	PMOTORC
6	PMOTORD

J6 - Carriage Motor

1	MMV
2	MMV
3	CMOTORA
4	CMOTORB
5	CMOTORC
6	CMOTORD

J8 - Paper Sensor

1	PMV
2	PMV
3	PMOTORA
4	PMOTORB
5	PMOTORC
6	PMOTORD

7.2 Connector Signals - continued

7.2.2 C6 Signals TBD

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